

REGISTRATION OF A PRESSURE FITTING DESIGN

23-Aug-21

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Cecylia Garbacz

File Number: 12173 [0 F]

Re: Manufacturer: Parker Hannifin Corporation - Sporlan Division
Item: ZoomLock PUSH Push-to-Connect Refrigerant Fittings
Catalog or Drawing: Per Scope of CRN Registration (11-Feb-21) & Design Report R-1351 Rev. 0

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OA23313.53 Expiry Date: June 16, 2031

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

See Worldwide Locations Appendix (rev. January 26, 2021) for list of manufacturing locations.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, JIM BUDNAR
DIVISION ENGINEERING MANAGER
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)
of: PARKER HANNIFIN CORPORATION SPORLAN DIVISION
(name of manufacturer)



located at: 206 LANGE DRIVE WASHINGTON, MO 63090, USA
(Plant Address – Apt/Street) (City,Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B31.5, ASME B31.3 which specifies the dimensions, (title of recognized North American Standard) Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001: 2015 Bureau Veritas and KSA as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY A - ZOOMLOCK PUSH

In support of this application, the following information, calculations and / or test data are attached:
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

II. Declaration

DECLARED before me at Washington In the state of Missouri
this 18 day of February, 2021
Kimberly Markler (print name)
Kimberly Markler (Signature of Commissioner of Oaths)
James Budnar (Signature)
KIMBERLY MARKLER
Notary Public - Notary Seal
Franklin County - State of Missouri
Commission Number 12379973
My Commission Expires Nov 29, 2024

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____



**Technical
Safety Authority
of Saskatchewan**

Registration No. OA23313.53
File No. 12173
Registered
Date: August 23, 2021
Expiry Date: June 16, 2031
Codes & Standards Compliance Office

(Date Registered – MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date – MM DD YYYY)



SCOPE OF CRN REGISTRATION

Product Description	Design Code	Body Material Specification	MAWP at MAWT (psig at °F / barg at °C)	MDMT (°F / °C)	Fitting Type	Size	Parker Part Number	Report Number
ZoomLock Push Push-to-connect Refrigerant Fittings	ASME B31.5, ASME B31.3	Forging Brass ASTM B283 UNS C37700	870 psig at 250°F / 60 barg at 121°C	- 40°F / - 40°C	Couplings R410A Optimized	1/4"	PZKP-C4-HNBR	R-1351 Rev. 0
						3/8"	PZKP-C6-HNBR	
						1/2"	PZKP-C8-HNBR	
						5/8"	PZKP-C10-HNBR	
						3/4"	PZKP-C12-HNBR	
						7/8"	PZKP-C14-HNBR	
					SAE Flare Adapters R410A Optimized	1/4"	PZKP-F4-HNBR	
						3/8"	PZKP-F6-HNBR	
						1/2"	PZKP-F8-HNBR	
						5/8"	PZKP-F10-HNBR	
					Elbows 90 Degree R410A Optimized	1/4"	PZKP-90E4-HNBR	
						3/8"	PZKP-90E6-HNBR	
						1/2"	PZKP-90E8-HNBR	
						5/8"	PZKP-90E10-HNBR	
						3/4"	PZKP-90E12-HNBR	
						7/8"	PZKP-90E14-HNBR	
					Couplings Removable	1/4"	PZKPR-C4	
						3/8"	PZKPR-C6	
						1/2"	PZKPR-C8	
						5/8"	PZKPR-C10	
						3/4"	PZKPR-C12	
						7/8"	PZKPR-C14	
					SAE Flare Adapters Removable	1/4"	PZKPR-F4	
						3/8"	PZKPR-F6	
						1/2"	PZKPR-F8	
						5/8"	PZKPR-F10	
					Elbows 90 Degree Removable	1/4"	PZKPR-90E4	
						3/8"	PZKPR-90E6	
						1/2"	PZKPR-90E8	
						5/8"	PZKPR-90E10	
3/4"	PZKPR-90E12							
7/8"	PZKPR-90E14							

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SCOPE OF CRN REGISTRATION

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by seal materials or other considerations. Please consult Parker literature.

Note 3: The pressure-temperature ratings shown are acceptable when the ZoomLock Push fittings are installed on copper tube that has a ASME B31.5 Table 502.3.1-1 minimum allowable stress value that is equal to or greater than the values listed for ASTM B280 UNS C12200 H58 tubing. Installation of the ZoomLock Push fittings on copper tubing with lower allowable stress values than that shown for ASTM B280 UNS C12200 H58 may result in the maximum allowable pressure ratings of the system to be lower than that shown above.

Note 4: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 5: See Attached List of Manufacturing locations applicable to this CRN.

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	<input type="button" value="Registered"/>
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WORLDWIDE LOCATIONS APPENDIX

**PARKER HANNIFIN CORPORATION SPORLAN DIVISION
MANUFACTURING LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. January 26, 2021)

Head Quarters

206 LANGE DRIVE
WASHINGTON, MO 63090 USA
ISO 9001 Certified by Bureau Veritas

Plant 1

711 INDUSTRIAL AVENUE
PLANT 1 | WASHINGTON, MO 63090 USA
ISO 9001 Certified by Bureau Veritas

Plant 3

215 LANGE DRIVE
WASHINGTON, MO 63090 USA
ISO 9001 Certified by Bureau Veritas

Plant 4

100 PARKER DRIVE
GREENFIELD, TN 38230 USA
ISO 9001 Certified by Bureau Veritas

Plant 5

VIA DE FERROCARRIL A MATAMOROS
730, CENTRO. BLVD.
CARLOS SALINAS DE GORTARI Y PROL.
CAMINO A HUINALA.
APODACA, NL CP 66600 MEXICO
ISO 9001 Certified by Bureau Veritas



In addition, in accordance with CSA B51 paragraph 4.2.5 Parker Hannifin Corporation Sporlan Division is taking responsibility for the product covered under this CRN that is manufactured at:

ESSEN TECH CO., LTD

15, JAYUMUYEOK 2-GIL,
GUNSAN-SI, JEOLLABUK-DO, KOREA
ISO 9001 Certified by Korean Standards Association